

Amendments to the Specification

Please amend the paragraph beginning on page 21, line 27 of the Substitute Specification submitted on July 28, 2008 as follows:

If the cross-correlation profile is described by $a(\tau)$, which exemplifies a first function, then

$$\begin{aligned} a(\tau) &= r(t) \otimes S_A(t) \\ &= [S_A(t) * h_A(t) + S_B(t) * h_B(t) + \dots] \otimes S_A(t) \\ &\approx S_A(t) * h_A(t) \otimes S_A(t) \\ &= p_A(\tau) * h_A(t), \end{aligned}$$

where the \otimes symbol represents cross-correlation, τ is the delay, and $p_A(\tau)$, which exemplifies a second function, is the auto-correlation profile of $S_A(t)$. Note that the terms of $r(t)$ including $S_B(t)$ etc. become negligible upon cross correlating with $S_A(t)$ as the signals from transmitters A, B etc have orthogonal spreading codes and the signal from A is much brighter than any other.